

**SITUATION REPORT  
INCIDENT COMMAND POST GOLD KING  
GOLD KING MINE RELEASE INCIDENT  
U.S. ENVIRONMENTAL PROTECTION AGENCY**



Stabilized Gold King Mine Adit (9/29/2015)

**Subject:** EXECSUM / SITREP #44  
Gold King Mine Release Incident  
San Juan County, Colorado  
Latitude: 37.8945 Longitude: -107.6384

**From:** Situation Unit, Incident Command Post Gold King  
**Date:** 06 October 2015  
**Reporting Period:** 0700 29 September 2015 through 0700 06 October 2015  
**Website:** [www.epa.gov/goldkingmine](http://www.epa.gov/goldkingmine)



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**For Internal Use Only**

**EXECUTIVE SUMMARY**

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***Situation Summary***

United States Environmental Protection Agency (U.S. EPA) Incident Command Post Gold King (ICPGK) is comprised of U.S. EPA Regions 8, 6 and 9.

***Highlights, Key Updates/Changes***

- ICPGK is operating under a 2-week Incident Action Plan (IAP) covering the period of 06 October 2015 through 20 October 2015.
- Construction of the winter treatment system/facility has commenced.
- Incident Command (IC) ended outreach with private well owners after 30 September 2015.
- ICPGK is focusing on residential sampling data reviews and sending letters to residents.

***Objectives***

- Ensure health and safety of the public and responders.
- Continue private water deliveries to homes with Primary MCL Exceedances.
- Continue private well sampling for special cases only.
- Continue to coordinate addressing sediment deposition in residential areas.
- Continue facilitating a cooperative agreement between San Juan Basin Health Department (SJBHD), Colorado Department of Public Health and Environment (CDPHE), and Colorado Office of Emergency Management (OEM) and OW to address long-term drinking water exceedances of primary MCLs.
- Continue to implement Transition Plan to reduce ICP, finalize a staffing and Interim Demobilization Plan to return operations to EPA Region 8.
- Continue coordination with federal, state, tribal and local stakeholders.
- Continue water and sediment sampling along the Animas and San Juan Rivers per the Incident Transition Plan to reduce sampling (currently sampling one time per week).
- Mine Operations
  - Continue management of mine water discharge.
  - Continue mine dump and portal stabilization and installing temporary piping systems.
  - Continue preparation and installation of portable modular water treatment system at Gladstone.
  - Operate Alert and Notification Plan during mine site operations.



### ***Command Emphasis***

For this operational period, the ICPGK command emphasis is:

- Safety of responders and the public
- Visitors to the mine site are required to go through a safety briefing. See mine site safety plan.
- Personnel entering Southern Ute Tribal lands must be escorted by a Southern Ute staff member.
- Ensure information flow between ICP and Stakeholders is transparent.
- Continue to reduce operations per the transition plan.

The metrics provided in this Situation Report represent quantities reported for work completed from 0700 29 September 2015 through 0700 06 October 2015. Press releases are presented in Attachment 1.



## 1.0 BACKGROUND

The Gold King Mine (GKM) near Silverton, Colorado is an historic gold mine at an elevation of approximately 11,300 feet above mean sea level. The mine discharge includes acidic mine drainage that is a contributor of heavy metals into the Cement Creek drainage of the Animas River watershed. The GKM workings have been inaccessible since 1995 when the mine portal collapsed.

On 5 August 2015, up to three million gallons (estimated) of water containing sediment and dissolved metals was suddenly released from the Gold King Mine adit. This water discharged into Cement Creek which feeds into the Animas River, and eventually flows into the San Juan River.

The ICPGK (located in Durango, Colorado) continues to assess and mitigate effects from the release.

## 2.0 OPERATIONS

### 2.1 Mine Operations

A summary of mine operations is presented below.

- Continued monitoring of water quality at 6 locations twice daily. Associated metrics are summarized below.

Table 1 – Discharge Summary									
Parameter	Units	Quantity							Period Average
		Sept. 2015		October 2015					
		29	30	1	2	3	4	5	
Flow Rate	gpm	599	566	585	422	482	641	641	562
pH Adit Discharge	SU	3.55	3.52	3.54	3.53	3.94	3.62	3.62	3.62
pH Discharge to creek	SU	*	5.11	5.11	5.13	5.14	5.22	5.22	5.16

\*Not reported.

- Performed treatment of mine discharge via adding lime to creek water. Water at Gladstone pond was also treated with sodium hydroxide.
- Completed sediment removal from Red and Bonita (R&B) ponds and resumed flow of Gold King Mine discharge through R&B ponds.
- Continued the removal of affected rock from Cement Creek.
- Flushed Cement Creek.
- Completed first coat of shotcrete outside the mine adit/portal for stabilization. Shotcrete stabilization continues.
- Began mucking out sediment from GKM.



Gladstone Pond (9/29/2015)



- Collected water and sediment sample from Gold King Mine for analyses. Provided split samples to La Plata County's contractor for analyses; also provided video of sample collection to La Plata County's contractor.
- Began construction of winter treatment system facilities.

On 5 October 2015, heavy precipitation in the Silverton area increased the potential for increased turbidity in Cement Creek. As a result, U.S. EPA followed the 7 September 2015 Notification Plan and made an Alert 1 notification to downstream stakeholders because the event was unlikely to cause physical or safety concerns downstream.

## 2.2 River Sampling

Operational activities for surface water and sediment sampling are summarized below. Sample quantities are based on the SCRIBE database, and include field samples and quality assurance/quality control (QA/QC) samples.

Table 2 - Operations Sampling Summary									
Matrix	U.S. EPA Region	Quantity							Cumulative
		Sept. 2015		October 2015					
		29	30	1	2	3	4	5	
Surface Water Samples	8	0	4	7	0	0	0	0	637
	6	4	5	4	0	0	0	0	539
	9	0	5	0	0	0	0	0	292
	Total	4	14	11	0	0	0	0	1,498
Sediment Samples	8	0	4	6	0	0	0	0	322
	6	4	5	4	0	0	0	0	533
	9	0	5	0	0	0	0	0	238
	Total	4	14	10	0	0	0	0	1,093

In addition, the U.S. EPA collected surface water and sediment samples on 30 September 2015 in the Animas River canyon, between Bakers Bridge and Silverton.

## 2.3 Private Well Sampling

U.S. EPA has collected and analyzed samples from drinking water wells located near the Animas River and San Juan River. There has been no sampling of private drinking water wells in U.S. EPA Region 9.

Private well samples that have metals concentrations greater than the Maximum Contaminant Levels (MCLs) and were collected from private drinking water wells during the first sampling event were sampled a second time to confirm the analytical results. In Region 8, the second round of samples at a given property were collected from the tap. Residents that have MCL exceedances have been notified.

A summary of private drinking water well sampling is presented below.



Table 3 – Private Drinking Water Well Sampling Summary									
Matrix	U.S. EPA Region	Quantity							
		Sept. 2015		October 2015					Cumulative
		29	30	1	2	3	4	5	
Private Drinking Water Well Samples Collected (from SCRIBE, includes QA/QC samples)	8	7	6	0	6	5	0	1	415
	6	0	0	0	0	0	0	0	289
Results letters sent to private property owners	8	9	11	4	7	10	9	14	326

Notes:

Some residents were sent multiple results letters

Some residential sampling included surface water and/or sediment sampling.

Table 4- Summary of Wells with MCL Exceedances		
Matrix	U.S. EPA Region	Cumulative
Wells containing contaminant concentrations above MCLs during second sampling event	8	7
	6	1*

\*Note: One well in Region 6 exceeded the MCL for lead and after further assessment by the State of New Mexico and the U.S. EPA, it was determined that the exceedance was not related to the GKM incident.

## 2.4 Mitigation Activities

No public water systems are currently affected by the release or response operations.

ICPGK continues to coordinate and deliver bottled drinking water to 5 residences in Region 8. Other public support activities completed are summarized below.

Table 5 – Completed Public Support (Cumulative)			
Activity	U.S. EPA Region	Qty. (gal)	Qty. (hay bales)
Potable Water Deliveries	8	105,600	
Livestock / Agricultural Water Deliveries	8	133,770	
	6	1,104,990	
Agricultural Food Deliveries	6		244

Table 6 – Ongoing Public Support							
Activity	Entity	29 Sep – 05 Oct 2015			Cumulative		
		Deliveries (each)	Qty. (gal)	Qty. (hay bales)	Deliveries (each)	Qty. (gal)	Qty. (hay bales)
Livestock / Agricultural Water Deliveries	U.S. EPA R9	0	0		13	218,400	
	BIA	0	0		7	975,888	
Agricultural Food Deliveries	U.S. EPA R9	5		1,920	22		8,448

### 2.4.1 Water Tanks

On or about 15 August 2015, 15 black steel tanks (16,500 gallon capacity each) were delivered by the ERRS contractor to certain locations on the Navajo Reservation as part of the response to the Gold King Mine release incident. Prior to this period, 11 tanks had been removed. During this period, the four remaining water tanks were removed from the Navajo Reservation.



## 2.4.2 Other Mitigation Activities

ICPGK continues to work with U.S. EPA Region 8 Regional Incident Command Team (RICT) and U.S. EPA Headquarters EOC regarding individual properties with potential sediment issues.

## 3.0 PLANNING

### 3.1 Environmental Unit

EU is preparing letters containing analytical results for private properties where U.S. EPA collected sediment and/or drinking water samples. Additional resources were added to the ICP EU to address this task.

A summary of private letters sent to date is provided below:

Table 7- Private Letter Summary			
Approximate Total Number of Letters To Be Sent	Letters Sent Prior to This Reporting Period	Letters Sent During This Reporting Period	Approximate Number of Remaining Letters to be Sent
500	262	64	174

### 3.2 Resources

The table below summarizes staffing numbers for the federal entities and agencies active in the response.

Table 8 - Personnel On-Site								
Location	Agency / Entity	Sept. 2015		October 2015				
		29	30	1	2	3	4	5
Mine	U.S. EPA	3	2	3	2	3	2	2
	USCG	6	6	6	8	9	8	5
	U.S. EPA Contractors	24	26	25	25	30	21	26
	Other	0	0	0	0	0	0	0
ICPGK	U.S. EPA	19	19	18	17	17	15	16
	USCG	0	0	0	0	0	0	0
	U.S. EPA Contractors	13	13	16	16	16	15	17
	Other	2	3	0	2	0	0	2
U.S. EPA Region 6	U.S. EPA	0	0	0	0	0	0	0
	USCG	0	0	0	0	0	0	0
	U.S. EPA Contractors	8	8	4	4	4	4	4
	Other	0	0	0	0	0	0	0
U.S. EPA Region 9	U.S. EPA	1	1	0	0	0	0	0
	USCG	3	3	3	3	0	0	0
	U.S. EPA Contractors	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0
Total		79	81	75	77	79	65	72

USCG = U.S. Coast Guard; Other = federal, state, local and tribal entities





## 4.0 FINANCE

### 4.1 Estimated Response Costs to Date

The table below summarizes estimated costs for the response.

Table 9 - Estimated Response Costs Reported as of 05 October 2015					
U.S. EPA Region	U.S. EPA Cumulative Expended Payroll	U.S. EPA Cumulative Expended Travel	U.S. EPA Cumulative Other Charges	U.S. EPA Cumulative Contractors Cost	Total Cumulative Costs
8	\$1,022,962	\$216,213	\$46,109	\$6,565,808	\$7,851,092
6	\$605,273	\$150,250	\$12,989	\$2,587,262	\$3,355,774
9	\$268,404	\$68,619	\$0	\$2,269,300	\$2,606,323
Total	\$1,896,639	\$435,082	\$59,098	\$11,422,370	\$13,813,189

### 4.2 Estimated Burn Rates

The table below summarizes current estimated burn rates for the response.

Table 10 - Estimated Daily Burn Rates as of 05 October 2015	
U.S. EPA Region	Estimated Average Daily Burn Rate
8	\$73,673
6	\$14,040
9	\$12,700
Total	\$100,413

## 5.0 LOGISTICS

As of 05 October 2015, the following personnel needs remain to be filled:

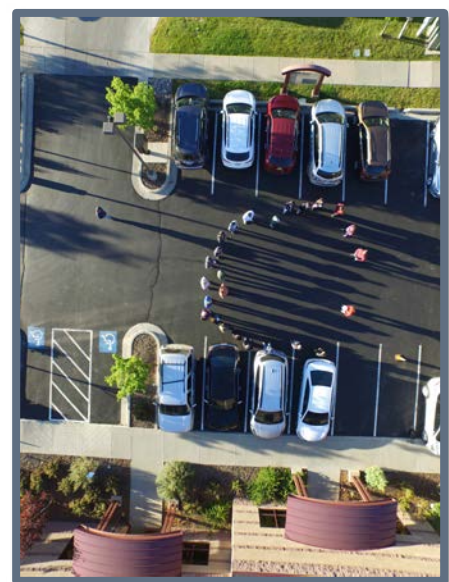
- There is no identified backfill/replacement for the Incident Commander.

## 6.0 SAFETY

Safety performed the tasks summarized below during this reporting period.

- Update Medical plan
- U.S. EPA Region 9 has elected not to be covered under the ICPKG HASP and they will provide their own HASP.
- Safety performed field inspections of: mine operations and river sampling operations.
- Provided safety briefings to visitors and reporting personnel.

No recordable injuries or illnesses reported.



ICPKG Operations Briefing (10/3/2015)





## 7.0 PUBLIC INFORMATION

### 7.1 Community Engagements and Public Events

Community engagements and public events that occurred during this period include:

- Southern Ute Tribal Leadership visited the mine on 29 September 2015.
- ICPKG observed the U.S. Senate Committee on Small Business and Entrepreneurship hearing entitled "Examining the Significant Costs and Related Burdens for Small Businesses Resulting from the Gold King Mine Waste Water Spill near Silverton, Colorado."
- ICPKG held a meeting with CDPHE, SJBHD and the Southern Ute Indian Tribe to discuss cooperative agreements on 2 October 2015.
- The Administrative Record was announced in a public notice in the Durango Herald on Sunday, 4 October 2015. Copies were also delivered to the Silverton, Colorado Library, the Farmington, New Mexico Library, and the Navajo Nation Library in Window Rock, Arizona. A copy will also be left with the Durango, Colorado Library during the next period.

A summary of community engagements is provided below:

Table 11 – Community Engagement Summary								
Description	U.S. EPA Region	Sept. 2015		October 2015				
		29	30	1	2	3	4	5
Community Engagement	8	2	0	0	1	0	0	0
	6	0	0	0	0	0	0	0
	9	0	0	0	0	0	0	0

### 7.2 VIPs/Congressional Visits

#### 7.2.1 Occurred Events

Visits that occurred during this period include:

- Southern Ute Indian Tribe officials visited the mine on 29 September 2015.
- Representatives from La Plata County conducted sampling at the mine adit on 29 September 2015.

#### 7.2.2 Anticipated Events

Known site visits and public events scheduled for the next 14 days are summarized below.

Table 12 - Anticipated Site Visits and Public Events Summary	
Planned Event	Anticipated Date
Media Tour of Gladstone Area by local TV Station and Colorado Public Radio	15 OCT 2015

### 7.3 Call Center

U.S. EPA Headquarters continues to operate a national call center (844-607-9700). Calls received



through 30 September 2015 requesting sampling of private drinking water wells were forwarded to ICPGK Operations via the PIO.

## **8.0 LIAISON**

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Federal, regional, local and other entities participating in the response are summarized below.

U.S. EPA  
U.S. Coast Guard (USCG)  
U.S. Geological Survey (USGS)  
U.S. Army Corps of Engineers (USACE)  
U.S. Bureau of Reclamation (USBOR)  
U.S. Fish and Wildlife Services (USFWS)  
Colorado Office of Emergency Management (OEM)  
Colorado Department of Public Health and Environment (CDPHE)  
New Mexico Environment Department (NMED)  
New Mexico (NM) Department of Health  
NM Office of the State Engineer  
NM Department of Game and Fish  
State of Utah  
State of Arizona  
City of Durango  
La Plata County  
San Juan County  
San Juan Basin Health Department  
County of San Juan – New Mexico  
Southern Ute Indian Tribe (SUIT)  
Navajo Nation

## **9.0 SOURCE OF ADDITIONAL INFORMATION**

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For additional information, refer to [www.epa.gov/goldkingmine](http://www.epa.gov/goldkingmine).



**ATTACHMENT 1**  
**PRESS RELEASES**



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PRESS RELEASE # 1

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U.S. EPA Website (<http://www2.epa.gov/goldkingmine>)

**September 30, 2015:** Gold King Mine Data, September 29, 2015  
(<http://www2.epa.gov/goldkingmine/gold-king-mine-data-september-29-2015>)

Surface water and sediment concentrations are now below recreational screening levels. The river system as a whole is being maintained at pre-event conditions.

It is important to keep in mind that metal concentrations in water and sediment may fluctuate. Fluctuations occur because of weather and other events that change water flow rates or volume. They can also occur if sediments are accumulating at a higher than normal rate at a particular site, before being washed away by the next high water event.

As the response to the mine release transitions to long-term evaluations, EPA will continue to monitor for any abnormal occurrences of metal concentration exceedances of risk-based screening levels.

This data submission presents data for surface water samples collected on 9/14 from the Animas River.

- Open or download the data file: Region 8 Surface Water Summary Table 09282015 (XLSX)(1 pg, 33 K)

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This data submission presents data for surface water samples collected on 9/21; and, sediment samples collected on 9/17 and 9/21 from the San Juan River.

- Open or download the data file: Region 9 Sediment Summary Table 09252015 (XLSX) (1 pg, 38 K)
- Open or download the data file: Region 9 Surface Water Summary Table 09252015 (XLSX) (1 pg, 38 K)



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PRESS RELEASE # 2

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U.S. EPA Website (<http://www2.epa.gov/goldkingmine>)

**September 30, 2015:** Gold King Mine Data, September 30, 2015  
(<http://www2.epa.gov/goldkingmine/gold-king-mine-data-september-30-2015>)

Surface water and sediment concentrations are now below recreational screening levels. The river system as a whole is being maintained at pre-event conditions.

It is important to keep in mind that metal concentrations in water and sediment may fluctuate. Fluctuations occur because of weather and other events that change water flow rates or volume. They can also occur if sediments are accumulating at a higher than normal rate at a particular site, before being washed away by the next high water event.

As the response to the mine release transitions to long-term evaluations, EPA will continue to monitor for any abnormal occurrences of metal concentration exceedances of risk-based screening levels.

EPA sediment samples collected on 9/23, 9/24, and 9/25 from locations along the Animas Rivers.

- Open or download the data file: Region 6 Sediment Summary Table 09282015 (XLSX)(1 pg, 44 K)

EPA surface water samples collected on 9/23, 9/24, and 9/25 from locations in the Animas and San Juan Rivers.

- Open or download the data file: Region 6 Surface Water Summary Table 09282015 (XSLX)(1 pg, 76 K)

EPA surface water samples collected on 9/18, 9/20, 9/21 and 9/22 from locations in the Animas and San Juan Rivers.

- Open or download the data file: Region 9 Surface Water Summary Table 09292015 (XLSX)(1 pg, 167 K)

EPA sediment samples collected on 9/18, 9/19, and 9/22 from locations in the Animas and San Juan Rivers.

- Open or download the data file: Region 9 Sediment Summary Table 09252015 (XLSX)(1 pg, 68 K)



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PRESS RELEASE # 3

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U.S. EPA Website (<http://www2.epa.gov/goldkingmine>)

**October 1, 2015:** Gold King Mine Data, October 1, 2015  
(<http://www2.epa.gov/goldkingmine/gold-king-mine-data-october-1-2015>)

Surface water and sediment concentrations are now below recreational screening levels. The river system as a whole is being maintained at pre-event conditions.

It is important to keep in mind that metal concentrations in water and sediment may fluctuate. Fluctuations occur because of weather and other events that change water flow rates or volume. They can also occur if sediments are accumulating at a higher than normal rate at a particular site, before being washed away by the next high water event.

As the response to the mine release transitions to long-term evaluations, EPA will continue to monitor for any abnormal occurrences of metal concentration exceedances of risk-based screening levels.

EPA sediment samples collected on 9/18, 9/19, and 9/22 from locations along the Animas Rivers.

- Open or download the data file: Region 6 Sediment Summary Table 09252015 (XLSX)(1 pg, 68 K)

EPA surface water samples collected on 9/18, 9/20, 9/21, and 9/22 from locations in the Animas and San Juan Rivers.

- Open or download the data file: Region 6 Surface Water Summary Table 09292015 (XSLX)(1 pg, 167 K)

EPA sediment samples collected on 9/6, 9/7, 9/17, 9/18, 9/19, and 9/20 from locations along the Animas Rivers.

- Open or download the data file: Region 8 Sediment Summary Table 09232015 (XLSX) (1 pg, 33 K)
- Open or download the data file: Region 8 Sediment Summary Table 09292015 (XLSX) (1 pg, 55 K)



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**PRESS RELEASE # 4**

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**October 4, 2015: Gold King Mine Initial Administrative Record**

**NOTICE OF PUBLIC COMMENT OPPORTUNITY THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) ANNOUNCES THE AVAILABILITY FOR PUBLIC REVIEW AND COMMENT OF THE INITIAL ADMINISTRATIVE RECORD FILE FOR THE GOLD KING MINE RELEASE SITE SAN JUAN COUNTY, COLORADO**

The initial Administrative Record file (AR) for the Gold King Mine Release Site includes the documents considered or relied upon during the emergency removal action and continuing removal action at the Site. A final AR will be available for review and public comment with the publication of the Action Memorandum. Additional documents, including the comments received on the Administrative Record file and EPA's response to significant comments, may be added at a later date.

EPA encourages the public to review and comment on the documents.

A physical copy of the AR is available at:

Silverton Library 1117 Reese Street, Silverton, CO 81433

Contact: Jackie Kerwin, (970) 387-5770

Hours: Tues. – Thurs., 11 am – 8 pm Fri. & Sat., 10 am – 5 pm Closed Sun. & Mon.

Farmington Public Library

2101 Farmington Ave, Farmington, NM 87401

Contact: Kathi Browning, (505) 599-1270

Hours: Mon – Thu, 9:00 am – 9:00 pm

Fri – Sat, 9:00 am – 5:00 pm

Sun. 1:00 pm – 5:00 pm

Office of the Navajo Nation Library

Arizona Highway 264, Post Office Loop Road

Window Rock, AZ 86515

Contact: Irving Nelson, (928) 871-6376

Hours: Mon. – Friday, 8:00 am – 5:00 pm

To request a copy of the AR, send an email with your name and mailing address to:

[peterson.cynthia@epa.gov](mailto:peterson.cynthia@epa.gov)

Comments on the Administrative Record file may be submitted in writing for the next 30 days to:

Steven Way

On-Scene Coordinator

U.S. Environmental Protection Agency

1595 Wynkoop Street, 8EPR-ER

Denver, CO 80202-1129

**Gold King Mine Initial Administrative Record**

You will need Adobe Reader to view some of the files on this page. See [EPA's About PDF page](#) to learn more.

- [REDACTED PolRep #1 \(Initial Pollution Report\) -Removal Assessment \(PDF\)](#)(6 pp, 5 MB)
- [Draft Technical Memorandum: Historic, Current, and Predicted Metal Concentrations in the Animas River at A72 and Bakers Bridge w/ REDACTED transmittal email dated 9/30/2015 \(PDF\)](#)(25 pp, 4





MB)

- [REDACTED Final Screening-Level Ecological Risk Assessment, Upper Animas Mining District, San Juan County, Colorado 03-06-2013 \(PDF\)](#)(129 pp, 7 MB)
- [REDACTED Water Quality Report - Four Mines Within Cement Creek Watershed 08-27-2012 \(PDF\)](#)(41 pp, 4 MB)
- [Flow and chemistry data from the Gold King Mine Adit \(PDF\)](#)(6 pp, 578 K)
- [Gold King Bond Forfeiture M-1986-013: Phase I, 2008 Permanent Portal Discharge Diversion Structure \(PDF\)](#)(2 pp, 1 MB)
- [New Mexico and Navajo Nation in EPA's Region 6: Sediment Result Cumulative Table \[last updated 9/25/2015\] \(PDF\)](#)(101 pp, 8 MB)
- [New Mexico and Navajo Nation in EPA's Region 6: Surface Water Result Cumulative Table \[last updated 9/25/2015\] \(PDF\)](#)(191 pp, 14 MB)
- [Colorado and Utah in EPA's Region 8: Sediment Result Cumulative Table \[last updated 9/25/2015\] \(PDF\)](#)(2 pp, 685 K)
- [Colorado and Utah in EPA's Region 8: Surface Water Result Cumulative Table \[last updated 9/25/2015\] \(PDF\)](#)(90 pp, 9 MB)
- [Arizona in EPA's Region 9: Sediment Result Cumulative Table \[last updated 9/25/2015\] \(PDF\)](#)(34 pp, 4 MB)
- [Arizona in EPA's Region 9: Surface Water Result Cumulative Table \[last updated 9/25/2015\] \(PDF\)](#)(107 pp, 13 MB)
- [pH of Common Substances \(PDF\)](#)(1 pg, 558 K)
- [PRELIMINARY Analytical Data, Upper Animas River \(PDF\)](#)(6 pp, 603 K)
- [Summary of EPA Surface Water Sampling of Select Metals -- Results to Date, Gold King Mine Blowout \(PDF\)](#)(6 pp, 798 K)
- [GOLD KING MINE - WATERSHED FACT SHEET \(PDF\)](#)(2 pp, 490 K)
- [Dissolved Solids for location ADW-010 \(PDF\)](#)(12 pp, 764 K)
- [Dissolved Solids for location ADW-021 \(PDF\)](#)(12 pp, 759 K)
- [Dissolved Solids for location ADW-022 \(PDF\)](#)(12 pp, 746 K)
- [Dissolved Solids for location FW-012 \(PDF\)](#)(12 pp, 776 K)
- [Dissolved Solids for location FW-040 \(PDF\)](#)(12 pp, 776 K)
- [Dissolved Solids for location LVW-020 \(PDF\)](#)(12 pp, 796 K)
- [Dissolved Solids for location LVW-030 \(PDF\)](#)(12 pp, 804 K)
- [Dissolved Solids for location MW-020 \(PDF\)](#)(12 pp, 768 K)
- [Dissolved Solids for location A68 \(PDF\)](#)(12 pp, 715 K)
- [Dissolved Solids for location NSW-020 \(PDF\)](#)(12 pp, 761 K)
- [Dissolved Solids for location A72 \(PDF\)](#)(12 pp, 744 K)
- [Dissolved Solids for location Bakers Bridge \(PDF\)](#)(12 pp, 728 K)
- [Dissolved Solids for location CC48 \(PDF\)](#)(12 pp, 760 K)
- [Dissolved Solids for location SJ4C \(PDF\)](#)(12 pp, 741 K)
- [Dissolved Solids for location SJLP \(PDF\)](#)(12 pp, 741 K)
- [Dissolved Solids for location SJMC \(PDF\)](#)(12 pp, 755 K)
- [Dissolved Solids for location SJMH \(PDF\)](#)(12 pp, 778 K)
- [Dissolved Solids for location SJSR \(PDF\)](#)(12 pp, 741 K)
- [REDACTED RELEASABLE - SUMMARY REPORT- EPA Internal Review of the August 5, 2015 Gold King Mine Blowout and appendices A through F \(no attachment G\) downloaded from EPA website](#)



(PDF)(23 pp, 14 MB)

- REDACTED email describes chronology of Gold King Mine incident (PDF)(3 pp, 1 MB)
- REDACTED Draft Technical Memorandum [Weston Solutions to EPA]: Gold King Mine Investigation and Blowout Event (PDF)(64 pp, 27 MB)
- Email (from Bruce Stover [DNR] to Steven Way [EPA]) responds to email providing follow-up to ARSG meeting about the status of Red and Bonita and Gold King work (PDF)(3 pp, 180 K)
- Red and Bonita / Gold King Operational Plan -- Draft (PDF)(5 pp, 251 K)
- Project Summary: Gold King Bond Forfeiture M-1986-013, Phase II -- 2009 Reclamation at the Sampson, Number One, and Level Seven Portals (PDF)(5 pp, 16 MB)
- REDACTED: Email forwards email from CDRMS: Gold King Mine Site - Mine Blowout Notification Time Line from 5-Aug-2015 - summarizing response immediately following release (PDF)(2 pp, 699 K)
- REDACTED Site File Memorandum (from EPA): Gold King Mine Release Site Partial Chronology w/attachments (PDF)(10 pp, 1 MB)
- Final - Upper Animas River , 2012 Surface Water Toxicity Testing Report (PDF)(125 pp, 14 MB)
- Animas River Sediment Toxicity Testing Report -December 2012 Sediment Collection (PDF)(72 pp, 11 MB)
- Upper Animas River Surface Water Toxicity Testing Report - April 2013 Surface Water Collection - Final (PDF)(97 pp, 9 MB)
- Upper Animas Draft SLERA Power Point Slides April 17, 2014 (PDF)(21 pp, 2 MB)
- Preliminary Evaluation of Remedial Alternatives Using a Reactive Transport Model: Cement Creek/Animas River - Powerpoint (PDF)(56 pp, 8 MB)

[Contact Us](#) to ask a question, provide feedback, or report a problem.



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PRESS RELEASE # 5

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**Gold King Mine Data, October 5, 2015**

googleoff: all googleon: all

[Free viewers may be needed to access information linked on this page.](#)

[Data from Gold King Mine Response](#)

Surface water and sediment concentrations are now below recreational screening levels. The river system as a whole is being maintained at pre-event conditions.

It is important to keep in mind that metal concentrations in water and sediment may fluctuate.

Fluctuations occur because of weather and other events that change water flow rates or volume. They can also occur if sediments are accumulating at a higher than normal rate at a particular site, before being washed away by the next high water event.

As the response to the mine release transitions to long-term evaluations, EPA will continue to monitor for any abnormal occurrences of metal concentration exceedances of risk-based screening levels.

EPA sediment samples collected on 9/28, 9/29, and 9/30 from locations along the Animas Rivers.

- Open or download the data file: [Region 6 Sediment Summary Table 10012015 \(XLSX\)](#) (1 pg, 22 K)
- Open or download the data file: [Region 6 Sediment Summary Table 10022015 \(XLSX\)](#) (1 pg, 22 K)
- Open or download the data file: [Region 6 Sediment Summary Table 10042015 \(XLSX\)](#) (1 pg, 21 K)

EPA surface water samples collected on 9/28, 9/29, and 9/30 from locations in the Animas and San Juan Rivers.

- Open or download the data file: [Region 6 Surface Water SummaryTable 10012015 \(XLSX\)](#) (1 pg, 33 K)
- Open or download the data file: [Region 6 Surface Water Summary Table 10022015 \(XLSX\)](#) (1 pg, 33 K)
- Open or download the data file: [Region 6 Surface Water Summary Table 10042015 \(XLSX\)](#) (1 pg, 32 K)

This data submission presents data for surface water samples and sediment samples collected on 9/24 from locations along the Animas Rivers.

- Open or download the data file: [Region 8 Sediment Summary Table 10022015 \(XLSX\)](#) (1 pg, 29 K)
- Open or download the data file: [Region 8 Surface Water Summary Table 10022015 \(XLSX\)](#) (1 pg, 42 K)

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